

# AIR QUALITY - EVALUATION OF EXISTING BASELINE CONDITIONS AND NEXT STEPS



September 2004

# Outline of Air Quality Presentation

## ⌘ Study Area

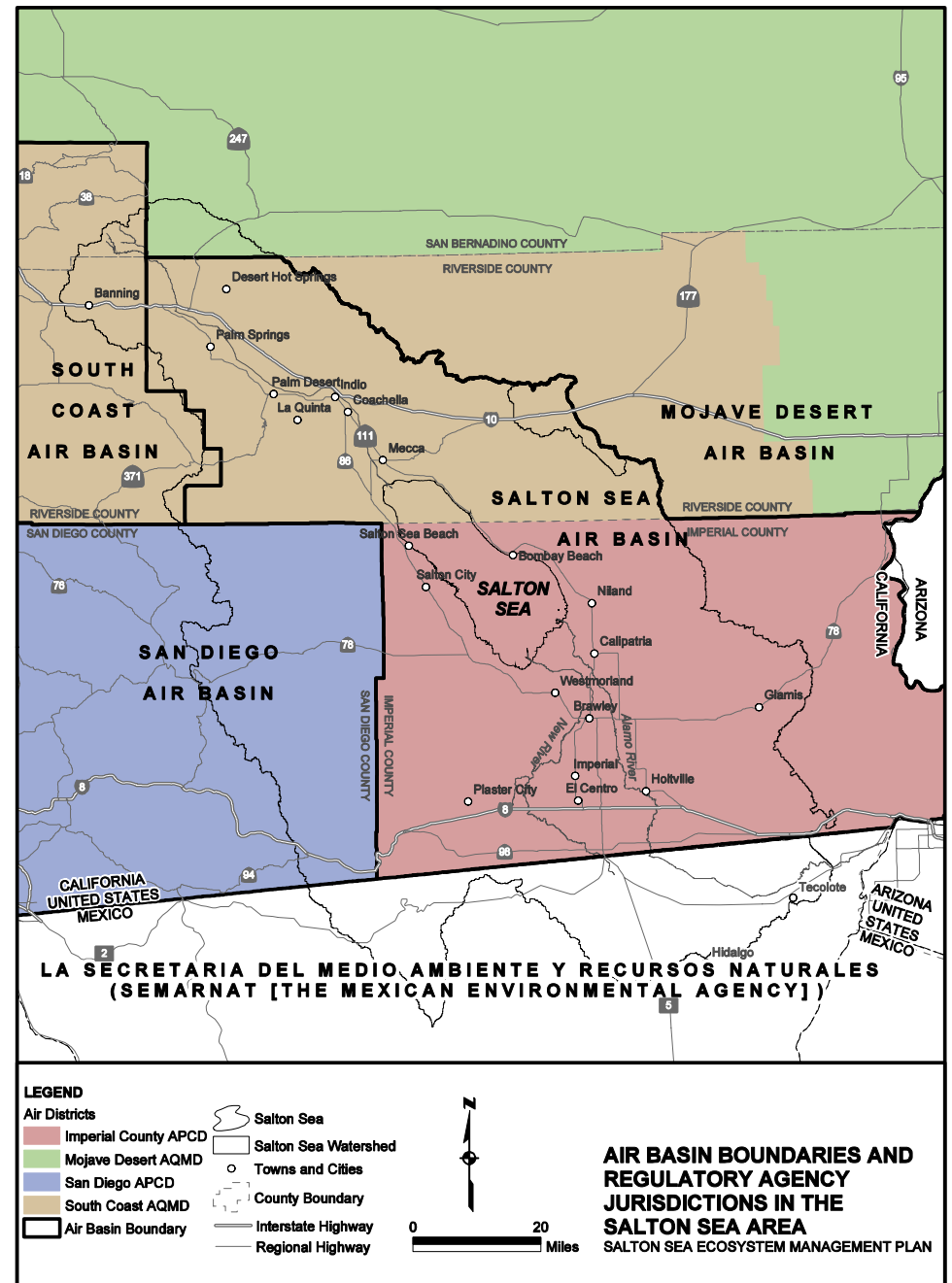
- ☑ Attainment Status
- ☑ Air Quality Management and Planning

## ⌘ Air Quality Issues

- ☑ Fugitive Dust
- ☑ Construction Emissions
- ☑ Compliance with Legislation and Regulations

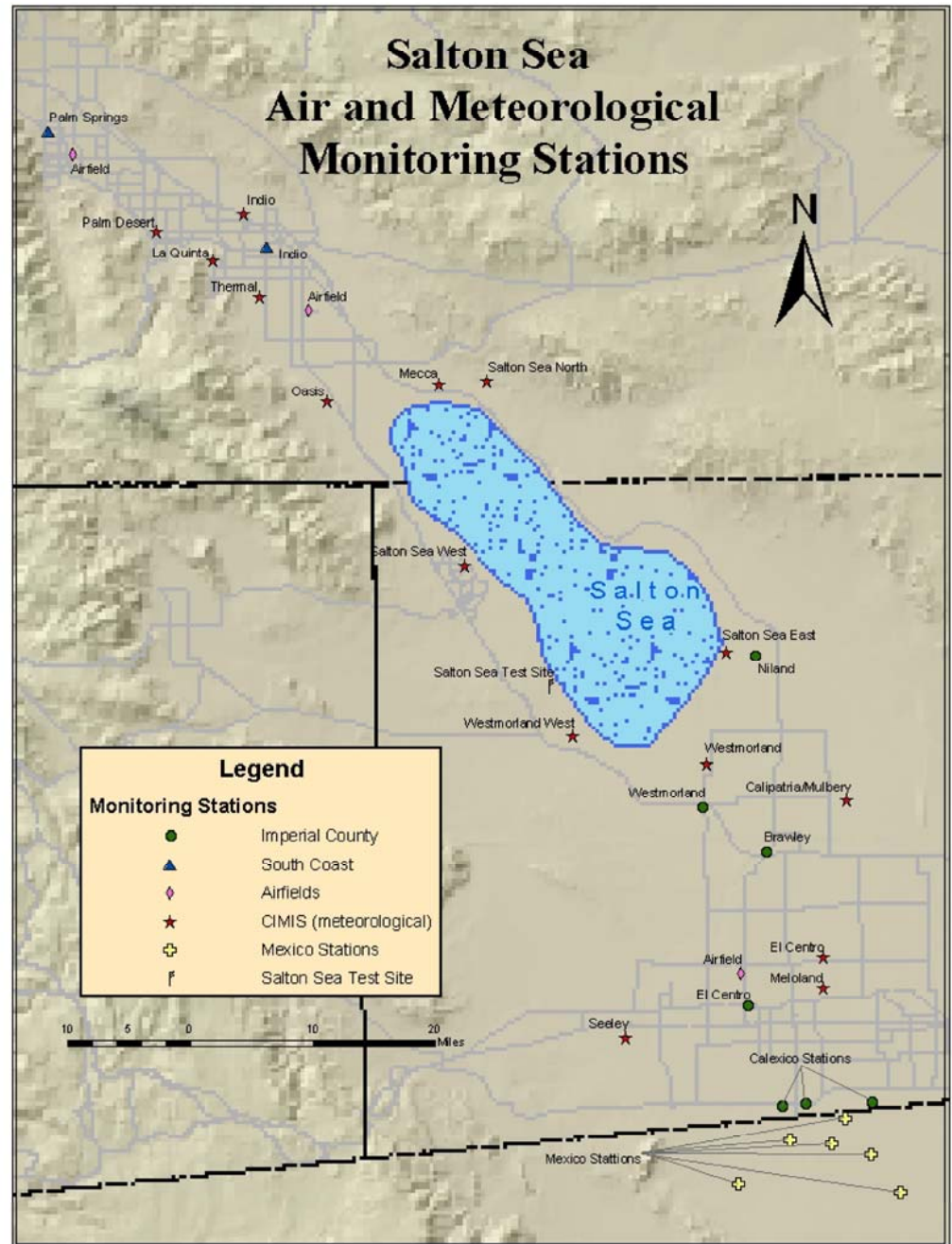
## ⌘ Next Steps

# Air Basin Boundaries and Agency Jurisdictions



# Air Quality Monitoring and Meteorological Stations in Area

Source: "The Potential for Fugitive Dust Problems at the Salton Sea if Water Levels Are Lowered Significantly from Current Conditions, Summary of a Salton Sea Science Office Workshop, La Quinta, California, April 3-4, 2002. Final Panel Report on Fugitive Dust Issues", September 19, 2002.



# Attainment Status - National and California Ambient Air Quality Standards (NAAQS and CAAQS)

⌘ **NAAQS - Imperial, Riverside, and San Bernardino Counties - NA for 1-hour and 8-hour ozone, PM10, and PM2.5**

⌘ **NAAQS - San Diego County Attains 1-hour and 8-hour ozone and PM10, NA for PM2.5**

⌘ **CAAQS - Imperial, Riverside, San Bernardino, and San Diego Counties - NA for 1-hour ozone, PM10, and PM2.5**

⌘ **CAAQS - Calexico NA for CO**

# Air Quality Management and Planning

- ⌘ **Imperial County APCD - August 11 FR Reclassified to Serious PM10 NA - Will Require new SIP to reflect Best Available Control Measures**
- ⌘ **Riverside County - South Coast AQMD - 2003 AQMP; Coachella Valley PM10 SIP**
- ⌘ **San Bernardino County - Mojave Desert AQMD - 2004 Ozone Attainment Plan, PM10 Attainment Plan**
- ⌘ **San Diego County - 2002 Ozone Redesignation Request and Maintenance Plan**
- ⌘ **New SIPS for 8-hour ozone, PM2.5, and Haze required for all areas by 2007**

# Air Quality Issues

⌘ **Fugitive Dust**

⌘ **Construction Emissions**

⌘ **Compliance with Legislation and Regulations**

⌘ **Coordination mechanism for SWRCB air quality mitigation requirements**

⌘ **Others???**

# Fugitive Dust

PHOTO 1: DUST STORM EVENT AT DAVIS ROAD (photo by Milt Friend)



⌘ **ARB Estimates**  
**Fugitive Windblown**  
**Dust Contributes 180**  
**tons per day of PM10**  
**Emissions in the**  
**Salton Sea Air Basin**  
**(vs. 14.2 tons/day from**  
**Farming Operations; 8.1**  
**tons/day from**  
**Construction/Demolition)**



# Construction Emissions

- ⌘ **Project Alternatives may involve varying levels of construction**
- ⌘ **Construction equipment exhaust may contribute emissions of nonattainment pollutants or their precursors (NO<sub>x</sub>, VOC, PM<sub>10</sub>, PM<sub>2.5</sub>)**
- ⌘ **“General Conformity” requires evaluation of operations and construction emissions from Federal Actions in areas designated as NA or Maintenance for NAAQS**

# Compliance with Legislation and Regulations

- ⌘ **Max Feasible Attainment of Legislated Objective: “Elimination of air quality impacts from the restoration projects”**
- ⌘ **General Conformity Demonstration**
- ⌘ **BACM, Local Regulations**



# Next Steps

- ⌘ Collaborate with Air Quality Agencies and other Interested Parties on Next Steps**
- ⌘ Work with USBR and USGS to Correlate Available Information on Ambient Air Monitoring, Meteorology, and Soil/Sediment Conditions**
- ⌘ Develop Work Plan(s) for Future Studies**
- ⌘ Continue Development of Baseline and Impact Analyses**